

<p>97-255448/23 B07 NIOF 95.09.20  NIPPON OILS &amp; FATS CO LTD *JP 09087168-A  95.09.20 95JP-241488 (97.03.31) A61K 9/127, 9/107, 47/24, 47/28  Mixed lipid(s) for liposome and their homogeneous dispersions -  prepared by dissolving liposome precursor in organic solvent  adding water, removing solvent and lyophilisation  C97-082281</p>	<p>B(4-B1B, 5-B1P, 12-M11F) .3</p>
<p>Mixed lipids for liposome are prepared by (1) dissolving liposome  constructing material in a homogeneous solvent containing a water  insoluble volatile organic solvent, (2) addition of water or aqueous  solution, (3) distilling off the organic solvent with stirring, and (4)  lyophilisation of residual liposome membrane constructing mixed  dispersion.</p> <p>The liposome membrane comprises phospholipid component and  sterol. The phospholipid contains phosphatidyl-glycerol. The  liposome membrane comprises fatty acid salt and liposome is  dispersed in liquid prepared by dispersion of the mixed lipids for  liposome in aqueous solution.</p> <p><u>ADVANTAGE</u>  Homogeneous dispersion of mixed lipid provides liposome with</p>	<p>good quality.</p> <p>In an example, a mixture of 2.89g of dimyristoyl phosphatidyl choline,  3.13g of dipalmitoyl phosphatidyl choline, 3.30g of cholesterol and  0.68g of sodium palmitate was dissolved in 100 ml of a mixed solvent  of CHCl<sub>3</sub>:MeOH:water at a ratio of 80:18:2. The mixture was mixed  with 200 ml of distilled water for injection, and evaporated to remove  organic solvents with stirring. The resultant pasty mixt.  homogeneously dispersed in water to give a viscous liquid which was  lyophilised to give white powder of mixed lipid for liposome.  (7pp079DwgNo.0/0)</p> <p>JP 09087168-A</p>